

Breakout Group Blue

Breakout Presentation from the
*National Micro-CHP Technology
Pathways Workshop*

Premises, Caveats, and Assumptions

- There will be net metering
- U.S. market is large and there is room for different systems
- Industry is ready to assemble alpha systems but more component development may be needed

Technology Cost and Performance Targets

- Capable of emissions equal to or better than current heating appliances (g/kg fuel fired)
- Integrated plug and play packages with smart controls
- Payback – 5-8 yrs by 2007, 3-5 years 2010
- Establish standards, performance ratings

Top Priority RD&D and Tech Transfer Needs

- Chiller module as option
- System model to evaluate application specific performance, controls and economics
- Completion of full system prototypes for initial field and lab evaluation and to identify future component development needs
- Pilot program 10-100 units

Actions and Next Steps

- RFP for industry led full system prototype development and test
- Lab and field test protocols
- Tech transfer
- Develop system model

Key Themes and Messages

- Need to understand efficiency
- Thermal loads are the driving factor
- No Holy Grail
- Standard development
- This is an appliance!!!!